

Date: Thu, 29 Jul 93 04:30:08 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #915
To: Info-Hams

Info-Hams Digest Thu, 29 Jul 93 Volume 93 : Issue 915

Today's Topics:

(none)

Alinco DJ-580 Intermod Reduction
How many people actually use paddles ?
Remote Control (Was: Broadcasting...)
SMD rework was(Re: Alinco DJ-580 Intermod Reduction)
W9GR Low cost DSP kitly use paddles ?

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Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 29 Jul 93 00:12:20 GMT
From: news-mail-gateway@ucsd.edu
Subject: (none)
To: info-hams@ucsd.edu

subscribe dist-ham Ken Cuddeback

Date: 21 Jul 93 16:29:42 GMT
From: ogicse!hp-cv!hp-pcd!hpcvsnz!tomb@network.ucsd.edu
Subject: Alinco DJ-580 Intermod Reduction
To: info-hams@ucsd.edu

Tom Bodoh (bodoh@dgg.cr.usgs.gov) wrote:
: In article <226b9m\$kgq@jericho.mc.com>, levine@mc.com (Bob Levine) writes:
: |> hmm, I don't think there's much difference between replacing a resistor

: |> and adjusting a potentiometer. Maybe they should have used potentiometers
: |> instead in the first place so engineering afterthoughts would be easier.
: |> Bob KD1GG
: |>
: --
: The big difference is that I haven't seen a miniature surface mount
: potentiometer. It's pretty tight inside the 580 and most other HT's...

Well, there are some small pots in the DJ-580. I tore into mine to adjust the DTMF xmt level; it was a bit "hot" for some of the local machines. The pots are small, though not quite as small as SMT resistors.

But as a designer, I must comment on the use of pots: I work pretty hard to avoid them. They cost a lot! It's not the parts cost, it's the cost of tweaking them on the production line, and it's the cost of fixing things when someone later tweaks them when they aren't supposed to. We tend to use lots of digitally controlled tweaks, if tweaks are needed at all, and put them under processor control. Some things, though, slip through. Apparently, Alinco put the radio out, then discovered that there was a "better way" which, fortunately, didn't take much in the way of changes. Was that "wrong"?? I sure don't think so! I've had the use of a very respectable radio for longer than I otherwise would have, and though the intermod is noticable and sometimes even a bit annoying, it sure doesn't make me unhappy that I bought the radio. In designing things, you have to decide when you've subjected them to a reasonable level of testing and have achieved a reasonable level of performance; if you kept working on them till you had completely optimized everything, you generally would have spent way too much on the development and lost lots of sales to your competitors for products that may be inferior to what you could have introduced at a reasonable time...and in doing that, you would have done your (potential) customers a disservice.

Stepping down from the soap box,

Cheers,
Tom -- K7ITM

Date: 28 Jul 1993 18:45:47 GMT
From: agate!howland.reston.ans.net!news.ans.net!malgudi.oar.net!news.ysu.edu!
yfn.ysu.edu!ag821@ames.arpa
Subject: How many people actually use paddles ?
To: info-hams@ucsd.edu

In a previous article, wrb@cbnews.cb.att.com (wallace.r.blackburn) says:

>In article <1993Jul27.172349.5003@uoft02.utoledo.edu> mohan@tulip.es.utoledo.edu

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writes:
>>Hello,
>>How much percentage of cw operators use paddles?
>>I want to work on cw when my license (finally) gets here.
>>Is it difficult to learn to send with the paddle/keyer combos?
>>And my understanding is that paddles are expensive? Can someone with experience
>>suggest a few paddles in different price ranges?
>>Thanks :)
>>--mohan/Waiting...
>>=====
>>+ Mohanakrishna Pakkurti + mohan@jupiter.cse.utoledo.edu +
>>+ HOME: 2239 University Hills Blvd #204, Toledo OH 43606. Phone:(419)536-9073 +
>>=====
>
>Mohan:
>
>I don't know the percentage, but many cw ops use paddle/keyer combos. As
>far as difficulty, it varies with the person. Bencher paddles come with a
>nice little reprint of an article going over the basics of using paddles
>and an iambic keyer. In my opinion, the hardest thing to learn is actually
>using it iambically. By that I mean, using the fact that squeezing the
>paddles together makes alternating dits and dahs. I've seen very
>experienced operators using the paddles like two separate keys - one for
>dits and one for dahs. Once you get the hang of iambic operation, it
>hardly looks like you are moving your fingers.
>
>For example, sending CQ:
>
> - squeeze the paddles together, hitting the thumb (dahs) first,
> hold until you get a C
>
> - hold the thumb (dahs) - anytime during the second dah, tap the
> dit paddle, making a Q
>
>It's kind of hard to explain, you just need to play around with it.
>
>A good set of black base Benchers is under $80, a CMOS Super Keyer II KIT
>is under $50.
>
>Hope this helps.
>--
>
>
>+=====+ Happy user of OS/2 2.0!
>| Wally Blackburn | Ask me about it!
>

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I agree with the CMOS Super keyer .. but you can get a parts kit

for \$26 from Richard Rathburn, KB6NQ, R&R Associates, 3106 Glendon Ave.
Los Angeles, CA 90034 (that includes shipping)..best contest and
all around keyer you can find.. makes it easy to send.. real good
self completing dots and dashes.

I collect straight keys, and paddles. Th Benchers is overpriced for what
it is, breaks apart very easily and isn't the best for the money.
For about the same price you can get a solid brass set of Kent
Paddles that will blow the doors off a set of Benchers. When I got my
Kent, I sold my Benchers cheap and mine were almost new.

73

Jeff, AC4HF

--

Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

Date: 28 Jul 93 12:36:56 CDT
From: timbuk.cray.com!hemlock.cray.com!cherry10!dadams@uunet.uu.net
Subject: Remote Control (Was: Broadcasting...)
To: info-hams@ucsd.edu

In article w165w@garlic.sbs.com, system@garlic.sbs.com (Tony Pelliccio) writes:

|Subpart C - Special Operations
|
|97.215 Remote control of model craft.
| An amateur station transmitting signals to control a model craft may
|be operated as follows:
| (a) The station identification procedure is not required for
| transmissions directed only to the model craft, provided that a label
| indicating the station call sign and the stations licensee's name and
| address is affixed to the station transmitter.
|
| (b) The control signals are not considered codes or ciphers intended
| to obscure the meaning of communication.
|
| (c) The transmitter power must not exceed 1W.
|

Is remote control allowed on any band? (I suppose it would tee off a few
hams if the remote control plane tended to key up the local repeater all
the time--are there frequencies that hams tend to stick to for remote control?)

Also are there any subgroups anywhere with plans and ideas for remote control projects?

Since Power is restricted to 1W, is remote control automatically considered QRP? ;^)

What kinds of distances do people tend to get with their remote control projects? (Imagine working remote control over sporadic-E? ;^)

I imagine you could get a nice game made up of remote control water polo or hockey or some such where the puck or ball or boat is remote control and is placed in the middle of a playing field, and contestants try to control it from each end of the field with separate transmitters. ;^)

David, NOWWN/AA

November Zero Whiskey Whiskey November

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

-Sourdough and Ham-

- Minnesotans for Global Warming! -

(&gardner)

Date: 22 Jul 93 16:30:05 GMT

From: ogicse!hp-cv!hp-pcd!hpcvsnz!tomb@network.ucsd.edu

Subject: SMD rework was(Re: Alinco DJ-580 Intermod Reduction)

To: info-hams@ucsd.edu

Gary Coffman (gary@ke4zv.uucp) wrote:

(after an initial post about how easy surface mount rework is, replying to a comment about how hot air can cause problems on adjacent components...)

: Yes, but it's relatively easy to control the hot air flow. There are
: two methods generally in use. The first is sheet metal shrouds of
: various shapes to direct the air. The other, and the one I prefer,
: is to use modelling clay to build a heat dam around the part to be
: reworked. The clay is easy to apply, peels right off when done, and
: is reusable.

Hmm. Now it's sounding not quite so easy. I have to build a heat dam of modeling clay just to remove a part? Actually, I tend to agree with Gary that smt work is pretty easy. But the equipment that makes it easy isn't cheap and isn't likely to be found in home hobby workshops. We use Metcal irons here; they have a variety of easily changed tips that let you remove various components _fairly_ easily. It's not even too hard to put down SOIC and PLCC ICs (0.05"

lead spacing) and assorted passive parts with a fairly standard Weller iron, but when you get to fine-pitch parts, it gets a lot tougher. Even our very carefully-controlled manufacturing processes have been known to screw up on rare occasion ;-)

Date: 28 Jul 1993 18:51:16 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!gatech!
news.ans.net!malgudi.oar.net!news.ysu.edu!yfn.ysu.edu!ag821@network.ucsd.edu
Subject: W9GR Low cost DSP kitly use paddles ?
To: info-hams@ucsd.edu

In a previous article, mohan@tulip (Mohan Pakkurti) says:

>Hello,
>I read the article by W9GR in QST about DSP application in amateur radio.
>Any body here actually built the circuit have comments about it ?
>Also there was an advertisement for a "W9GR DSP II" in July 1993 QST, any idea
>what improvements have been in the project since the article was published
>in Sept 1992.

>

>Thanks :)

>--mohan

>=====

>+ Mohanakrishna Pakkurti	+ mohan@jupiter.cse.utoledo.edu	+
>+ HOME: 2239 University Hills Blvd #204, Toledo OH 43606. Phone:(419)536-9073		+

>=====

>

I ordered mine just after the article came out.. had to wait about 6 months I think.. there was such a backlog. The wait was very prof. handles and I was offered a refund at dif. stages.

The board is GREAT and a pleasure to solder.. worked perfectly the first time and every time. You need to find one to play with. My friend came up .. tried mine for a while and ordered his the next day.

73,

Jeff, AC4HF

--

Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

End of Info-Hams Digest V93 #915
